

Study Number: C05049-04

Test Type: TOX

Route: Dosing in Water

Species/Strain: Mouse/B6C3F1/N

Study Number:

Study Gender:

PWG Approval Date

PA06: Organ Weights Summary

Test Compound: 1-Butyl-3-Methylimidazolium Chloride

CAS Number: 79917-90-1

C05049-04

Both

See web page for date of PWG Approval

Date Report Requested: 05/12/2020

Time Report Requested: 12:56:45

Lab: NTP

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Males				
	Treatment Groups (mg/ml)			
	0	1	3	6
Terminal Body Wt. (g)	26.3 ± 0.5 (10) **	26.8 ± 0.7 (5)	25.4 ± 0.2 (5)	21.4 ± 0.8 (5) **
Heart				
Absolute (g)	0.13 ± 0.00 (10)	0.14 ± 0.01 (5)	0.14 ± 0.00 (5)	0.12 ± 0.01 (5)
Relative (mg/g)	5.03 ± 0.09 (10) *	5.23 ± 0.30 (5)	5.43 ± 0.15 (5)	5.52 ± 0.12 (5)
R. Kidney				
Absolute (g)	0.23 ± 0.00 (10)	0.24 ± 0.01 (5)	0.24 ± 0.01 (5)	0.20 ± 0.01 (5) *
Relative (mg/g)	8.81 ± 0.10 (10) *	8.94 ± 0.45 (5)	9.29 ± 0.32 (5)	9.58 ± 0.26 (5)
Liver				
Absolute (g)	0.15 ± 0.01 (10) *	0.16 ± 0.01 (5)	0.15 ± 0.00 (5)	0.12 ± 0.01 (5) **
Relative (mg/g)	5.85 ± 0.12 (10)	6.04 ± 0.27 (5)	6.06 ± 0.12 (5)	5.51 ± 0.09 (5)
Lung				
Absolute (g)	0.20 ± 0.01 (10) **	0.18 ± 0.01 (5)	0.17 ± 0.01 (5) *	0.17 ± 0.01 (5) **
Relative (mg/g)	7.59 ± 0.21 (10)	6.84 ± 0.31 (5)	6.78 ± 0.26 (5)	7.76 ± 0.13 (5)
R. Testis				
Absolute (g)	0.093 ± 0.003 (10)	0.098 ± 0.003 (5)	0.095 ± 0.002 (5)	0.096 ± 0.002 (5)
Relative (mg/g)	3.56 ± 0.11 (10) **	3.66 ± 0.09 (5)	3.73 ± 0.06 (5)	4.54 ± 0.20 (5) **
Thymus				
Absolute (g)	0.047 ± 0.003 (10) *	0.048 ± 0.003 (5)	0.046 ± 0.004 (5)	0.028 ± 0.002 (5) **
Relative (mg/g)	1.76 ± 0.08 (10)	1.80 ± 0.10 (5)	1.81 ± 0.15 (5)	1.33 ± 0.09 (5) *

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Females				
	Treatment Groups (mg/ml)			
	0	1	3	6
Terminal Body Wt. (g)	20.5 ± 0.3 (10) **	19.5 ± 0.5 (5)	19.1 ± 0.6 (5) *	17.9 ± 0.4 (5) **
Heart				
Absolute (g)	0.10 ± 0.00 (10)	0.10 ± 0.00 (5)	0.10 ± 0.01 (5)	0.10 ± 0.00 (5)
Relative (mg/g)	5.04 ± 0.12 (10) **	5.35 ± 0.23 (5)	5.44 ± 0.16 (5)	5.60 ± 0.16 (5) *
R. Kidney				
Absolute (g)	0.14 ± 0.00 (10) *	0.14 ± 0.00 (5)	0.16 ± 0.00 (5)	0.15 ± 0.01 (5)
Relative (mg/g)	6.94 ± 0.16 (10) **	7.31 ± 0.21 (5)	8.18 ± 0.10 (5) **	8.51 ± 0.24 (5) **
Liver				
Absolute (g)	0.10 ± 0.00 (10)	0.10 ± 0.01 (5)	0.10 ± 0.01 (5)	0.09 ± 0.01 (5)
Relative (mg/g)	4.98 ± 0.15 (10)	4.93 ± 0.23 (5)	5.22 ± 0.13 (5)	5.14 ± 0.25 (5)
Lung				
Absolute (g)	0.17 ± 0.01 (10)	0.15 ± 0.01 (5)	0.18 ± 0.01 (5)	0.16 ± 0.01 (5)
Relative (mg/g)	8.45 ± 0.34 (10)	7.60 ± 0.23 (5)	9.51 ± 0.34 (5)	8.99 ± 0.43 (5)
Thymus				
Absolute (g)	0.067 ± 0.003 (10) *	0.065 ± 0.005 (5)	0.061 ± 0.007 (5)	0.046 ± 0.004 (5) **
Relative (mg/g)	3.29 ± 0.17 (10) *	3.34 ± 0.18 (5)	3.17 ± 0.27 (5)	2.60 ± 0.19 (5)

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LEGEND

Values are displayed as mean \pm SEM (N).

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight

Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****